Bruhath Bangalore Mahanagara Palike, West Zone

Name of work: Providing CC camera at Garbage Black spots in ward no.07

Sl No	Description Of Work	Nos	L	B	D	Qty	Unit	Rate	Amount in Rs.
1	Outdoor PLZ IP Cameras with 20 X optical zoom with controller alongwith suitable mounting system (PTZ Pan Tilt and Zoom feature is availbale in this camera can be contolled by the software for pan Tilt and zoom feature at the contol center and can be programmed to view at different angles and zoom level continuosly. It operates at day and night and the viewing distance at clarity is about 100 metres								
	Approved Data Rate								
	In Ward limits	2				2.00			
						2.00	Nos	78462.00	156924
	Total	78,462.00							
2	Bracket (Corner Mount / Pole Mount/ Wall Mount) for mounting the PTZ camera.								
	Approved Data Rate								
	In Ward limits	2				2.00			
						2.00	Nos	4267.00	8534
	Total	4,267.00							
3	Outdoor 50 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 50 metres)								
	Approved Data Rate								
	In Ward limits	6				6.00			
						6.00	Nos	21160.00	126960
	Total	21,160.00							
4	Bracket and weatherproof Installation kit for 50 Meter IP Camera								
	SR Page no 15, Item no 4.18								
	Approved Data Rate								
	In Ward limits	6				6.00			
						6.00	Nos	1545.00	9270
	Total	1,545.00							
5	Outdoor 30 Meter IP Cameras with IR & Mounting Bracket (with IR for day and night vision and can provide a viewing distance of 30 metres)								
	Approved Data Rate								
	In Ward limits	6				6.00			
						6.00	Nos	15260.00	91560
	Total	15,260.00							
6	Bracket and weatherproof Installation kit for 30 Meter IP Camera								
	Approved Data Rate								
	In Ward limits	6				6.00			
						6.00	Nos	1491.00	8946
	Total	1,491.00							
7	32 Channel NVR DS 7732 NI- E4 (with 4 Sata Option) the control box and the recording device to connect upto 32 devices, can be cascaded to provide additional cameras								
	Approved Data Rate								
	In Ward limits	1				1.00			
						1.00	Nos	66982.00	66982
	Total	66,982.00							
8	12 TB NAS Box for Back up (NET GEAR) provides storage for the recorded data for quick view back and storage								
	Approved Data Rate								
	In Ward limits	1				1.00			
						1.00	Nos	257420.00	257420
	Total	257,420.00							

9	4 TB SATA for storage and fitted in the NVR Device for storage								
	Approved Data Rate								
	In Ward limits	2				2.00			
						2.00	Nos	22850.00	45700
	Total	22,850.00							
10	A suitable sheet metal control panel to house site Equipments (Weather Proof) The power supply and the ethernet connectivity adaptor is stored in this box.								
	Approved Data Rate								
	In Ward limits	12				12.00			
						12.00	Nos	1526.00	18312
	Total	1,526.00							
11	Power supply for the camera.								
	Approved Data Rate								
	In Ward limits	12				12.00			
						12.00	Nos	461.00	5532
	Total	461.00							
12	Ethernet Switch for connectivity to Internet and Camera								
	Approved Data Rate								
	In Ward limits	12				12.00			
						12.00	Nos	950.00	11400
	Total	950.00							
13	Supply & Laying of Network and Power Cables from Camera to the control Box.								
	Approved Data Rate								
	In Ward limits	9				9.00			
						9.00	Nos	389.00	3501
	Total	389.00							
14	Video Manager Application Software for Display and Management of Camera on Video Display.								
	Approved Data Rate								
	In Ward limits	2				2.00			
						2.00	Nos	20000.00	40000
	Total	20,000.00							
15	Installation, Erection & commissioning charges								
	Approved Data Rate								
	In Ward limits	9				9.00			
						9.00	Nos	5060.00	45540
	Total	5,060.00							
									896581
16	Add 10 % KRIDL Charges								89658
17	Add 1% Labour cess								8966
18	Miscellaneous and unforcen charges						LS		4795
								Total Amount. Rs.	1000000

CERTIFICATE

1 The Work spot has been inspected and the work found to be necessary
2 The Estimate is prepared as per the Approved market rate.
3 The Provision made in estimate are adequate and essential
4 This area comes under BBMP limits.

Asst Engineer
Ward 07
Bruhat Bangalore Mahanagara Palike

Asst Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Malleshwaram Division
West Zone, BBMP

ADMINISTRATIVE APPROVAL

Accorded For Rs. Ten lakhs only

Head of A/c P-3110

Div. Ref. No. 08/17/18 Date 01/07/17

AE EE(BTP)

TECHNICAL SANCTION

Accorded For Rs. Ten lakhs only

Head of A/c P-3110

Div. Ref. No. 13/17-18 Date 01/07/17

AE EE(BTP)